**IN THE CLAIMS**

**Please cancel claims 1-14 without prejudice or disclaimer.**

Claims 1-14 (Canceled).

**Please enter the following new claims:**

15. (New) A wave power assembly comprising;

a hull ;

a linear electric generator having a rotor and a stator, the rotor being configured with magnets and being connected to said hull, said stator having slots and windings and being adapted to the anchored to a sea/lake bottom; and

electromagnetic damping means, said damping means being configured to maintain at a relatively low level the pulsations of the axial force exerted by said stator on said rotor, said damping means comprising a geometric configuration of at least one of said stator windings in said stator slots, and said rotor magnets.

16. (New) The wave power assembly according to claim 15, wherein said stator comprises multiphase winding, and said electromagnetic damping means comprises said stator winding configured as a fractional slot winding.

17. (New) The wave power assembly according to claim 16, wherein said stator comprises a 3-phase winding.

18. (New) The wave power assembly according to claim 16, wherein said fractional slot winding has a winding factor that is greater than one.

19. (New) The wave power assembly according to claim 17, wherein said fractional slot winding has a winding factor that is greater than one.

20. (New) The wave power assembly according to claim 16, wherein said fractional slot winding has a winding factor that is less than one.

21. (New) The wave power assembly according to claim 17, wherein said fractional slot winding has a winding factor that is less than one.

22. (New) The wave power assembly according to claim 15, wherein said stator comprises a plurality of stator packs evenly distributed around said rotor, each said stator pack having a winding that comprises a fractional slot winding.

23. (New) The wave power assembly according to claim 15, wherein said magnets are configured as a plurality of magnetic poles, said electromagnetic damping means is so configured that at least some of said poles of said rotor, or some of said winding slots of said stator, or both, are oriented obliquely in relation to a plane perpendicular to the direction of motion of said rotor.

24. (New) The wave power assembly according to claim 16, wherein said magnets are configured as a plurality of magnetic poles, said electromagnetic damping means is so configured that at least some of said poles of said rotor, or some of said winding slots of said stator, or both, are oriented obliquely in relation to a plane perpendicular to the direction of motion of said rotor.

25. (New) The wave power assembly according to claim 22, wherein said magnets are configured as a plurality of magnetic poles, said electromagnetic damping means is so configured that at least some of said poles of said rotor, or some of said winding slots of said stator, or both, are oriented obliquely in relation to a plane perpendicular to the direction of motion of said rotor.

26. (New) The wave power assembly according to claim 23, wherein said magnetic poles comprise magnets of an elongate shape having a longitudinal axis that forms an angle to a plane perpendicular to the direction of motion of said rotor.

27. (New) The wave power assembly according to claim 24, wherein said magnetic poles comprise magnets of an elongate shape having a longitudinal axis that forms an angle to a plane perpendicular to the direction of motion of said rotor.

28. (New) The wave power assembly according to claim 25, wherein said magnetic poles comprise magnets of an elongate shape having a longitudinal axis that forms an angle to a plane perpendicular to the direction of motion of said rotor.

29. (New) The wave power assembly according to claim 23, wherein each of said magnetic poles comprises a group of a plurality of magnets, said magnets being axially displaced in relation to each other.

30. (New) The wave power assembly according to claim 26, wherein each of said magnetic poles comprises a group of a plurality of magnets, said magnets being axially displaced in relation to each other.

31. (New) The wave power assembly according to claim 23, wherein each of said winding slots forms an angle to a plane perpendicular to the direction of motion of said rotor.

32. (New) The wave power assembly according to claim 26, wherein each of said winding slots forms an angle to a plane perpendicular to the direction of motion of said rotor.

33. (New) The wave power assembly according to claim 29, wherein each of said winding slots forms an angle to a plane perpendicular to the direction of motion of said rotor.

34. (New) The wave power assembly according to claim 15, wherein said rotor comprises a permanent magnetic.

35. (New) A wave power plant comprising a plurality of wave power assemblies according to claim 15.

36. (New) The use of a wave power assembly according to claim 15 in order to generate electric energy.

37. (New) A method in order to generate electric energy by means of at least one wave power assembly according to claim 15.